

SCHOOL BASED EVALUATION TEST

STANDARD SIX - YEAR 2019

MATHEMATICS

6

Time : 2 Hours



STEP FLYER

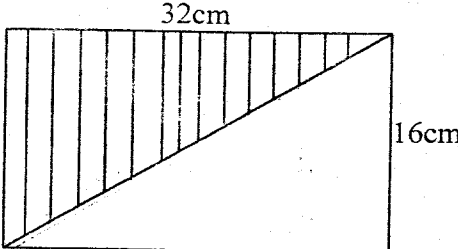
002

READ THESE INSTRUCTIONS CAREFULLY.

- You have been given this question paper and a separate answer sheet. The question paper contains 50 questions.
- Make sure that you have written on the answer sheet.

(i) Your name

(ii) Name of your school

- What is eighty million eighty thousand eight hundred and eighty eight
A. 80080888 B. 8080888
C. 8080808 D. 8080080
- What is the place value of digit 4 in the number 62.624
A. ones B. tens
C. thousandths D. hundredths
- What is the next number in the series 1, 4, 8, 16 _____
A. 28 B. 32
C. 30 D. 25
- Onyango uses 500ml of paraffin per day for cooking. How many litres does he use in 10 days
A. 50 B. 500
C. 200 D. 5
- Work out**
 $68753 + 29578 =$
A. 27133 B. 98331
C. 97331 D. 98301
- Find the area of a plot measuring 27m by 30m
A. $57m^2$ B. $800m^2$
C. $80m^2$ D. $810m^2$
- Round off 2647 to the nearest hundred
A. 3000 B. 2700
C. 2600 D. 2640
- What is the area of the shaded part in the given figure below

A. $256cm^2$ B. $640cm^2$
C. $512cm^2$ D. $160cm^2$
- Convert 210 seconds into minutes and second
A. 30min B. 3min 3 sec
C. 30min 30sec D. 3 min 30sec
- What is the reciprocal of $3\frac{1}{2}$
A. $\frac{7}{2}$ B. $\frac{6}{2}$
C. $\frac{2}{7}$ D. $\frac{2}{6}$
- There are 149246 boys in a location and 248357 girls in the same location. How many people are in this location
A. 397513 B. 397603
C. 397503 D. 397613
- Calculate**
 $9 \times 6 \times 5 =$
A. 54 B. 30
C. 280 D. 270
- Work out**
 $\sqrt{289}$
A. 17 B. 13
C. 23 D. 27

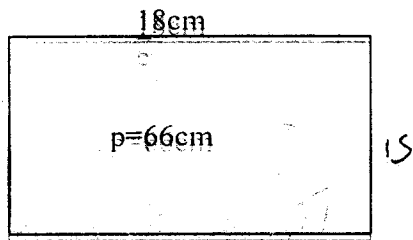
14. Which one of the following shows the prime factorization of 144

- A. $4 \times 4 \times 9$
- B. $2 \times 2 \times 4 \times 3 \times 3$
- C. $2 \times 2 \times 3 \times 3 \times 3$
- D. $2 \times 2 \times 2 \times 2 \times 3 \times 3$

15. Find the LCM of 3, 8 and 9

- A. 36
- B. 72
- C. 18
- D. 216

16. The perimeter of the figure below is 66cm. What is the width of the figure



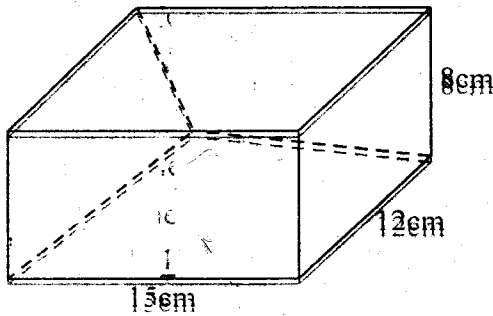
- A. 15cm
- B. 30cm
- C. 36cm
- D. 48cm

17. Work out

$5 - 2\frac{4}{7}$

- A. $2\frac{4}{7}$
- B. $3\frac{3}{7}$
- C. $3\frac{1}{7}$
- D. $2\frac{3}{7}$

18. What is the volume of



- A. 1440cm^3
- B. 96cm^3
- C. 120cm^3
- D. 1440cm^2

19. How many prime numbers are there between 20 and 40

- A. 5
- B. 3
- C. 4
- D. 2

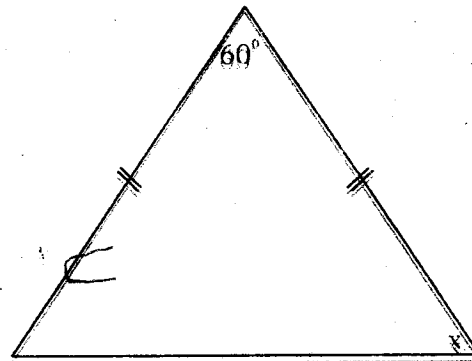
20. Find the highest common factor of 36, 48, and 54

- A. 432
- B. 9
- C. 4
- D. 6

21. A rectangular field measures 28m long and 20m wide. What distance did Kamau cover when he ran round the field twice

- A. 96
- B. 192
- C. 48
- D. 56

22. Find the value of angle x

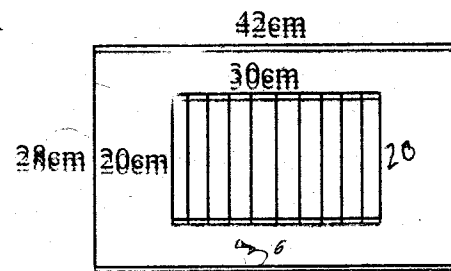


- A. 120
- B. 180
- C. 60
- D. 130

23. The area of a square is 196cm^2 . Find its perimeter

- A. 14cm
- B. 28cm
- C. 12cm
- D. 56cm

24. What is the area of the unshaded region in the given figure



- A. 600cm^2
- B. 576cm^2
- C. 328cm^2
- D. 1176cm^2

418
19

25. Work out

$$3\frac{2}{3} - 1\frac{7}{9} =$$

- A. $2\frac{1}{9}$ B. $2\frac{8}{9}$
 C. $1\frac{8}{9}$ D. $3\frac{4}{9}$

26. Change 0.025 as a fraction in its simplest form

- A. $\frac{25}{100}$ B. $\frac{1}{40}$
 C. $\frac{25}{100}$ D. $\frac{1}{4}$

27. A cashier deposited sh 6500 in a bank every day. How much did he deposit in the month of march last year

- A. 201500 B. 201000
 C. 200,500 D. 195,000

28. What is the value of x in the magic square below

9	8	$\frac{2}{9}$ 17
6	5	3
4	6	9

- A. 14 B. 5
 C. 8 D. 13

29. Kiamokama primary had 1200 pupils. If 40% are boys how many girls are there in the school

- A. 200 B. 720
 C. 1000 D. 480

30. Which one is a reflex angle

- A. 125° B. 75°
 C. 175° D. 315°

31. Which statement below is true

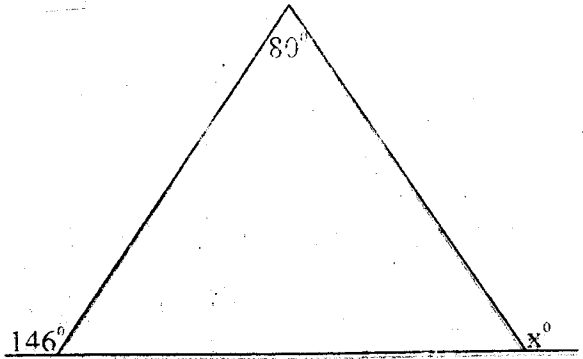
- A. $\frac{1}{3} \leq \frac{1}{8}$ B. $0.4 = 40\%$
 C. $\frac{3}{4} \geq 75\%$ D. $0.5 < 50\%$

32. What is the value of

$$1\frac{1}{9} \div 2\frac{1}{12} =$$

- A. $\frac{8}{15}$ B. $\frac{4}{5}$
 C. $\frac{7}{15}$ D. $1\frac{7}{8}$

33. What is the size of the angle marked x in the figure



- A. 126 B. 34
 C. 114 D. 61

34. What is the circumference of a circle whose radius is 56cm

- A. 352cm B. 308cm
 C. 154cm D. 176cm

35. What is the difference between 100 and 62 in roman numeral

- A. IVIII B. LXIII
 C. XLIII D. XXXLIII

36. Work out

Litres	dl
3	8
$\frac{x}{15}$	$\frac{4}{2}$
15	2

- A. 14/ 3dl
 B. 14/ 2dl
 C. 12/ 2dl
 D. 15/ 2dl

$\frac{24}{12} = 2$

37. What is $\sqrt{\frac{9}{144}}$

- A. $\frac{3}{12}$ B. $\frac{24}{12}$
 C. $\frac{25}{12}$ D. $\frac{1}{12}$

38. Work out the following

- $(5\frac{2}{3})^2$
 A. $11\frac{1}{3}$ B. $5\frac{2}{3}$
 C. $16\frac{1}{3}$ D. $32\frac{1}{9}$

39. Arrange in ascending order

- $\frac{2}{5}, \frac{2}{3}, \frac{1}{2}, \frac{3}{8}$
 A. $\frac{2}{3}, \frac{1}{2}, \frac{2}{5}, \frac{3}{8}$
 B. $\frac{3}{8}, \frac{2}{5}, \frac{2}{3}, \frac{1}{2}$
 C. $\frac{2}{5}, \frac{1}{2}, \frac{3}{8}, \frac{2}{3}$
 D. $\frac{3}{8}, \frac{2}{5}, \frac{1}{2}, \frac{2}{3}$

40. Work out

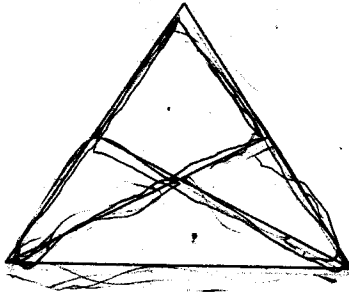
$4 + 1.003 + 2.75 + 0.6 =$

- A. 83.53 B. 4.753
 C. 8.353 D. 4.357

41. A sports meeting started at 10.50 am and took 4 hr 20 min. At what time did it end?

- A. 3.10 pm B. 5.10 pm
 C. 4.30 pm D. 6.30 pm

42. How many triangles are in the figure below

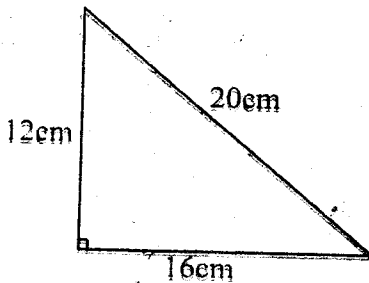


- A. 12 B. 8
 C. 6 D. 5

43. An odd number plus an even number gives

- A. odd even number
 B. prime number
 C. odd number
 D. even number

44. Calculate the area of the following triangle



- A. 320cm^2 B. 96cm^2
 C. 160cm^2 D. 192cm^2

45. Round off 9864 to the nearest thousand

- A. 10,000 B. 9800
 C. 9000 D. 9900

46. Work out

$0.5 \times 20 =$

- A. 10 B. 25
 C. 100 D. 20.5

47. How many days are there in the last three months of the year

- A. 89 B. 92
 C. 91 D. 90

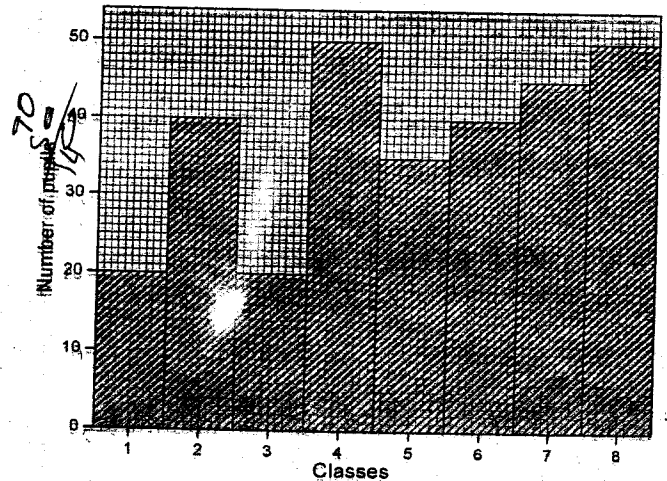
48. Find the perimeter of a square whose side is 24cm

- A. 6cm B. 48cm
 C. 96cm D. 36cm

49. A farm had 15 cows. If each day they produce a total of 270 litres of milk how many litres of milk does each cow produce

- A. 18 litres B. 285 litres
 C. 255 litres D. 4050 litres

50. The graph below shows the number of pupils in a Nyantaro primary from grade one to standard 8



How many pupils are there in upper primary

- A. 225
 B. 220
 C. 85
 D. 305

EVALUATION TESTE STANDARD SIX YEAR 2019
 MARKING SCHEME

MATHS

ENGLISH

KISWAHILI

1	A	46	A	1	C	46	D
2	C	47	B	2	A	47	A
3	D	48	B	3	B	48	B
4	D	49	A	4	D	49	C
5	B	50	B	5	D	50	A
6	D			6	C	6	B
7	C			7	B	7	B
8	A			8	A	8	A
9	D			9	A	9	C
10	D			10	B	10	D
11	B			11	C	11	B
12	D			12	D	12	B
13	A			13	A	13	D
14	D			14	B	14	A
15	B			15	B	15	D
16	A			16	B	16	B
17	D			17	C	17	A
18	A			18	A	18	A
19	C			19	D	19	D
20	D			20	D	20	A
21	B			21	C	21	D
22	C			22	A	22	D
23	A			23	B	23	B
24	B			24	B	24	D
25	C			25	C	25	C
26	B			26	A	26	B
27	A			27	B	27	E
28	B			28	C	28	A
29	B			29	D	29	C
30	D			30	B	30	B
31	B			31	B	31	C
32	A			32	B	32	A
33	C			33	A	33	A
34	A			34	D	34	A
35	D			35	D	35	D
36	D			36	D	36	B
37	A			37	C	37	A
38	D			38	B	38	A
39	D			39	B	39	D
40	C			40	D	40	C
41	A			41	A	41	C
42	C			42	D	42	B
43	C			43	B	43	D
44	B			44	C	44	C
45	A			45	C	45	A